IN THE CLAIMS:

1. (Currently Amended) A method, comprising:

a) receiving, at a node, notification of an address change of said node, wherein said node is within a PNNI ATM network, and wherein said node comprises a destination endpoint for an SPVC that flows within said PNNI ATM network to said node; and

b) issuing from said node information describing said address change within a SIG field in a PNNI Topology State Element (PTSE); and

~~c) propagating said information describing said address change throughout said PNNI ATM network~~.

2. (Previously Presented) The method of claim 1 wherein said PTSE is embedded within a PNNI Topology State Packet (PTSP).

3. (Previously Presented) The method of claim 1 wherein said PTSE is issued as part of a scheduled broadcast of status information of said node.

4. (Previously Presented) The method of claim 1 wherein said PTSE is issued in response to said notification, said notification regarded as an event within said PNNI ATM network worthy of reporting to other nodes within said PNNI ATM network.

5. (Previously Presented) The method of claim 1 further comprising issuing said PTSE from said PNNI ATM network, said PNNI ATM network being a peer network within a larger PNNI ATM network.

6. (Previously Presented) The method of claim 1 wherein said PTSE has a limited lifetime within said PNNI ATM network.

7. (Original) The method of claim 1 wherein said notification is directed from a network management control station.

8. (Previously Presented) The method of claim 1 wherein said information describing said address change further comprises a new address for said node and an old address of said node.

9. (Original) The method of claim 1 wherein said address is within an NSAP format.

10. (Currently Amended) A method, comprising:

a) receiving at a node within a PNNI ATM network, information describing an address change of an other node within said PNNI ATM network, wherein said other node comprises a destination endpoint for an SPVC that flows within said PNNI ATM network to said other node, said information comprising an old address for said other node and a new address for said other node, said information contained within a SIG field in a PTSE;

b) comparing said old address for said other node with an SPVC destination node address maintained by said node to establish an SPVC connection supported by said node; and

c) replacing said SPVC destination node address with said new address if said old address and said SPVC destination node address match.

11. (Previously Presented) The method of claim 10 wherein said PTSE is embedded within a PTSP.

12. (Previously Presented) The method of claim 10 wherein said PTSE is issued as part of a scheduled broadcast of status information of said other node.

13. (Previously Presented) The method of claim 10 wherein said PTSE Previously Presented is issued in response to said other node being notified of said address change, said notification regarded as an event within said PNNI ATM network worthy of reporting to said node.

14. (Previously Presented) The method of claim 10 further comprising issuing said PTSE from said PNNI ATM network, said PNNI ATM network being a peer network within a larger PNNI ATM network.

15. (Previously Presented) The method of claim 10 wherein said PTSE has a limited lifetime within said PNNI ATM network.

16. (Original) The method of claim 10 wherein said address is within an NSAP format.

17. (Currently Amended) A machine readable medium having stored thereon sequences of instructions which, when executed by a digital processing system, cause said system to perform a method, comprising:

issuing from a node information describing an address change to said node within a SIG field in a PTSE, ~~whererin~~ said node is within a PNNI ATM network, and wherein said node comprises a destination endpoint for an SPVC that flows within said PNNI ATM network to said node; ~~and~~

~~propagating said information describing said address change throughout said PNNI ATM network.~~

18. (Previously Presented) The machine readable medium of claim 17 wherein said PTSE is embedded within a PTSP.

19. (Previously Presented) The machine readable medium of claim 17 wherein said PTSE is issued as part of a scheduled broadcast of status information of said node.

20. (Previously Presented) The machine readable medium of claim 17 wherein said PTSE is issued in response to a notification of said address change, said notification regarded as an event within said PNNI ATM network worthy of reporting to other nodes within said PNNI ATM network.

21. (Previously Presented) The machine readable medium of claim 17 where said method further comprises issuing said PTSE from said PNNI ATM network, said PNNI ATM network being a peer network within a larger PNNI ATM network.

22. (Previously Presented) The machine readable medium of claim 17 wherein said PTSE has a limited lifetime within said PNNI ATM network.

23. (Previously Presented) The method of claim 17 wherein said information describing said address change further comprises a new address for said node and an old address of said node.

24. (Original) The method of claim 23 wherein said address is within an NSAP format.

25. (Previously Presented) A machine readable medium having stored thereon sequences of instructions which, when executed by a digital processing system, cause said system to perform a method, comprising:

a) receiving, at a node in a PNNI ATM network, a PTSE having SIG information that includes an old address for an SPVC endpoint within said network and a new address for said SPVC endpoint within said network;

b) comparing said old address with an SPVC destination node address maintained by said node to establish an SPVC connection supported by said node; and

c) replacing said SPVC destination node address with said new address if said old address and said SPVC destination node address match.

26. (Previously Presented) The machine readable medium of claim 25 wherein said PTSE is embedded within a PTSP packet.

27. (Previously Presented) The machine readable medium of claim 25 wherein said method further comprises issuing said PTSE from said PNNI ATM

network, said PNNI ATM network being a peer network within a larger PNNI ATM network.

28. (Original) The machine readable medium of claim 25 wherein said address is within an NSAP format.